

MR2049-452

Appln. No. 10/728,868

Reply to Office Action dated 8/19/2005

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, listing, of claims in the specification.

LISTING OF CLAIMS:

Claim 1 (original) A method for sealing a honeycomb core, comprising:

step 1: placing plastic films onto the honeycomb core;

step 2: heating the plastic films up to the softening temperature of the plastic films;

step 3: pressing the plastic films so as to adhere the plastic films to the honeycomb core, and

step 4: cooling the combination of the plastic films and the honeycomb core.

Claim 2 (original) The method as claimed in Claim 1, wherein the plastic film is a thermoplastic polyurethane (TPU) film.

Claim 3 (original) The method as claimed in Claim 1, wherein the honeycomb core is made of aluminum, artificial fiber (Nomex), paper, carbon fibers or glass fibers.

MR2049-452

Appln. No. 10/728,868

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Claim 4 (original) The method as claimed in Claim 1, wherein the heating temperature in step 2 is in a range of 130 to 180 degrees Celsius for 1 to 60 minutes.

Claim 5 (original) The method as claimed in Claim 1, wherein the heating temperature in step 2 is in a range of 140 to 170 degrees Celsius for 5 to 30 minutes.

Claim 6 (original) The method as claimed in Claim 2, wherein the thermoplastic polyurethane (TPU) film is 0.1 mm to 2.0 mm in thickness.

Claim 7 (original) The method as claimed in Claim 1, wherein a layer of glass fiber tissue is adhered to an outside of each of the plastic films.

Claim 8 (original) A method for sealing a honeycomb core, comprising:
step 1: soaking glass fiber fabric with epoxy resin and making it partially cured for four hours and then placing the glass fabric onto two surfaces of the honeycomb core;

step 2: putting the combination of the honeycomb core and the glass fiber fabric with epoxy resin in a bag;

MR2049-452

Appln. No. 10/728,868

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step 3: vacuuming the bag and the glass fiber fabric being pressed by the atmosphere pressure of 0.08-0.1 MPa (12-14 psi) so as to seal the two surfaces of the honeycomb core; and

step 4: removing the bag from the combination of the honeycomb core and the glass fiber fabric with epoxy resin.

Claims 9-15 (canceled).